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The following methods are recommended:

1. The employment of professional rat catchers for large establishments.
2. Trapping and poisoning by employees. The most reliable poisons for this purpose are phosphorus paste, arsenic, and Danysz' rat virus. These should be placed in rat holes and rat runs and the hole carefully closed. Care should be taken that phosphorus and arsenic are not placed where they are accessible to children and domestic animals.
3. Exclusion of rats from buildings by closing the holes and runs in the basements and first floors. Rats enter, as a rule, by burrowing from below and through the openings in the wall or floor for the passage of the plumbing. These openings should fit the pipes accurately and should be surrounded with cement or brick. Tin or sheet metal of some kind should be used to cover holes in wooden floors.
4. Kitchen refuse and garbage should be placed only in metal cans, with tight-fitting covers. This should be removed and destroyed daily. Exposed food is a great attraction to rats, and householders will find that "no food, no rat" is axiomatic.
5. Finally, it is recommended that all basements and ground floors be cemented to render buildings rat proof.

October 19. Plague cases to date, 70; deaths, 43.

Outgoing quarantine transactions.

Passed Assistant Surgeon Hobdy reports, October 14:

During the week ended October 12, 140 outgoing vessels were disinfected and certified.

Beginning with the week, the time of exposure has been lengthened from three to five hours, three hours having been found too short to get all of the rats.

Precautions to prevent rats getting on board have been observed more satisfactorily during the week, owing to the frequent inspections and the refusal to issue certificates to the negligent.

Work is progressing satisfactorily.

Report from Seattle, Wash.—Plague.

Passed Assistant Surgeon White reports:

October 16. At request of local health authority, examined Chinaman ill five days; clinical signs and microscopical examination, provisional diagnosis plague; cultures and guinea pigs inoculated.

October 19. Chinese reported October 16 necropsied by me to-day at request of the local board of health. Pathological findings characteristic plague. F. S. Bourne, formerly health officer of Manila, and other members of the local board of health concur in provisional diagnosis. Positive diagnosis will be made and announced only after completion bacteriological work.

Report from Unalaska, Alaska—Beriberi on Japanese sealing schooners.

Passed Assistant Surgeon Gardner reports, September 9:

Four cases of beriberi were found among the crews of two Japanese sealing schooner seized by the U. S. S. *Manning*. One of these died and was buried at sea.

The remaining 3 cases were among the crew of the schooner *Nitto Maru*. They were detained in Valdez. These latter are cases of mild type.